



**University
Of Toronto**

**Division of
University
Extension**

PRE-UNIVERSITY CALENDAR

1973-1974

UNIVERSITY OF TORONTO
PRE-UNIVERSITY PROGRAMME 1973 - 1974

University of Toronto
Division of University Extension
119 St. George Street
Toronto, Ontario
M5S 1A9

For information, telephone (416) 928-2400
Monday - Thursday 9.00 am - 9.00 pm
Friday 9.00 am - 5.00 pm



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PRE-UNIVERSITY COURSES

SCHEDULE OF DATES

Summer Day Session 1973

- June 1 Last day to apply for admission to the Pre-University courses that begin July 3
- June 6 Pre-course test (see General Regulations)
- July 3 Lectures begin
- July 10 Last day to withdraw and receive a partial refund of fees
- July 27 Last day to withdraw without academic penalty
- August 6 Civic holiday (all classes cancelled)
- August 8 Last day of lectures
- August 10 Examinations in English and History

Fall Session 1973-74

- August 15 Last day to apply for admission to the Pre-University courses that begin October 1
- August 16 Pre-course test for students wishing admission to Pre-University English or History (see General Regulations); other test dates will be announced later
- October 1 Lectures begin
- October 8 Thanksgiving Day (all classes cancelled)
- October 23 Last day to withdraw and receive a partial refund of fees
- December 20 Last day of lectures in first term
- January 7 Second term begins
- January 10 Last day to withdraw without academic penalty
- February 18-22 Reading week (lectures will not be held)
- March 7 Last day of lectures
- March 12 Examinations in History
- March 13 Examinations in English and Physics
- March 14 Examinations in Chemistry and Mathematics

Winter Session 1973 -74

- November 30 Last day to apply for admission to the Pre-University courses that begin January 7
- December 3 Pre-course test for students wishing admission to Pre-University English or History (see General Regulations)
- January 7 Lectures begin
- January 24 Last day to withdraw and receive a partial refund of fees
- February 18 -22 Reading week (lectures will not be held)
- April 18 Last day to withdraw without academic penalty
- May 20 Victoria Day (all classes cancelled)
- May 30 Last day of lectures
- June 3 Examinations in History and Mathematics
- June 4 Examinations in English

Spring Session 1974

- March 8 Last day to apply for admission to the Pre-University courses that begin April 15
- March 13 Pre-course test for students wishing admission to Pre-University English or History (see General Regulations)
- April 15 Lectures begin
- May 2 Last day to withdraw and receive a partial refund of fees
- May 20 Victoria Day (all classes cancelled)
- June 27 Last day to withdraw without academic penalty
- August 1 Last day of lectures
- August 6 Examinations in History, Mathematics and Physics
- August 7 Examinations in Chemistry and English

CAMPUS LOCATIONS



Classes at Barrie are held in Georgian College.
Classes at Oshawa are held in Durham College.

GENERAL REGULATIONS

Pre-course Test

Applicants for Pre-University English and History must write the Pre-course test before being admitted. The test is designed to assess the applicant's reading comprehension and writing skills. It is a counselling service, and must be combined with an interview at the Division of University Extension to plan one's university studies.

An applicant whose test results are unfavourable may be advised to undertake further preparatory study before enrolling; he will not, however, be refused admission to the course for that reason. The test results do not form part of the student's mark in the course, nor is a high test mark a guarantee of future success in the course. Information on the date and location of the test is mailed to all Pre-University English and History applicants.

Fees

The fee for each Pre-University Course is \$100.00. Fees in full must accompany the application for admission. Please make cheques payable to the University of Toronto.

Withdrawals and Refunds

In order to withdraw from a course a student must inform the Division of University Extension, in writing. Merely ceasing to attend lectures, or informing the instructor, does not constitute a withdrawal. If a student is eligible to receive a partial refund of fees, he must also enclose his receipt.

Requests for partial refunds and/or withdrawal must be received by the dates given in the Calendar. After these dates withdrawal will be considered only for grave medical or compassionate reasons. A student who does not write the examination, or who ceases to attend lectures after the last day for withdrawal, will be considered to have failed to obtain standing in the course.

Final dates for withdrawal without academic penalty

Summer Day Session	July 27
Fall Session	January 10
Winter Session	April 18
Spring Session	June 27

Schedule of refunds

For students withdrawing from English or History between the pre-course test date and the sixth class \$90.00

For students withdrawing from Chemistry, Mathematics or Physics between the first and sixth classes \$90.00

For students withdrawing after that date / no refund

Supplemental Examinations

Supplemental examination privileges are considered only for grave medical or compassionate reasons. Petitions for consideration in this regard must be filed with the Co-ordinator, Pre-University Courses, Division of University Extension, on or before the last day of the examination period of the Session in which the student is registered. Such petitions must be accompanied by a doctor's certificate which includes a statement that the candidate was examined at the time of the illness; or other evidence.

Course Results and Transcripts

Pre-University course results are mailed to the individual student. No results are released over the telephone.

Requests for individual transcripts must be submitted, in writing, to the Division of University Extension.

STUDENT SERVICES

Academic Counselling

Students enrolling in Pre-University courses must meet with an academic counsellor in the Division of University Extension to discuss their academic programme. Counselling hours are arranged to meet the requirements of each student and are held at 119 St. George Street. For counselling appointments, telephone 928-2400.

Writing Laboratory

The Writing Laboratory is a service designed to help students write more effectively. The staff of the Writing Laboratory will work with individual students as editorial consultants, analyzing their written work to help them overcome problems in the organization of ideas, sentence structure, word choice, and the documentation of research sources. With the exception of an introductory lecture, the work of the Writing Laboratory is conducted in individual interviews on the basis of work in progress. Appointments for interviews should be arranged by telephoning 928-2847 or 928-2400.

Bookstore Facilities

Information regarding bookstore facilities will be mailed to successful candidates.

COURSE DESCRIPTIONS

Pre-University Chemistry

This course is designed to prepare the student for the study of Chemistry at the university level. Emphasis is on physical chemistry rather than on descriptive inorganic chemistry. Topics include energy effects in chemical reactions; reaction rates; chemical and ionic equilibria; oxidation-reduction reactions; electron arrangement and the periodic table; the chemical bond in molecules in gas phase, in solids, and in liquids. The course concludes with an introduction to organic chemistry.

No experimental work is done by the student, but certain techniques and experiments are demonstrated.

Although some time is spent in reviewing elementary principles of chemistry, knowledge of Grade 12 Chemistry (or its equivalent) is assumed.

Pre-University English

Composition

Throughout the course instructors will assign such work as may be necessary to bring the class to the degree of facility in thought and expression required for academic work.

Poetry

An introduction to the study of poetry with selections from the major periods in English, American, and Canadian poetry.

Drama

One play by Shakespeare
At least three additional plays

Novel

One nineteenth century novel
At least two additional novels

Reading lists for this course will be mailed to successful applicants.

Pre-University History

This course is intended as an introduction to History as a discipline and a consideration of its relationship to other academic disciplines. Selected topics in the social, political, intellectual, and economic history of Canada will be studied. Students will have an opportunity, through written assignments and essays, to improve their composition skills.

The course is similar to Grade 13 History, and therefore requires performance at the level to be expected of students preparing to enter University.

Reading lists for this course will be mailed to successful applicants.

Pre-University Mathematics

This course is designed to prepare the student for studying mathematics at the university level. Since it cannot be expected that students will learn in this one course all of the topics of the Ontario Grade 13 mathematics curriculum, a selection of these is made, so that the course is directed as much towards development of an understanding of basic mathematical processes as towards learning important techniques and results.

The content of the course includes most of the material covered in Grade 13 Mathematics I (Functions and Relations) and some topics from Mathematics II (Calculus). Students who successfully complete the course will be prepared to take courses for which Mathematics I is a prerequisite, and superior students will be prepared to undertake courses for which both Mathematics I and Mathematics II is a prerequisite. But without additional preparation, students are likely to have great difficulty in programmes for which Mathematics III (Algebra) is recommended. In addition, this course may assist students who feel they need a stronger foundation in Mathematics, especially in graduate programmes involving the use of statistics and calculus. Students intending admission to programmes not listed in this Calendar are advised to contact the Office of Admissions for further information.

After an introduction to the methods of modern mathematics, logic and sets, the class will survey the real number system, relations and functions, equations and inequalities, and analytic geometry. The basic concept of function will be applied to the study of polynomials and rational expressions, which leads naturally to calculus.

Students entering the course are expected to be able to manipulate algebraic expressions and to solve simple algebraic equations. They should have some familiarity with the results of Euclidean geometry and plane trigonometry. It is not expected that students will be familiar with the modern terminology of mathematics ('New Math'). Students with less than Ontario Grade 12 Mathematics are advised not to take this course, nor is it recommended to students who have not studied mathematics within the last five years. Such students should consult the Division of University Extension for advice or alternatives.

A list of required texts for this course will be mailed to successful applicants.

Pre-University Physics

Providing an introduction to 'modern physics' and a preparation for the study of Physics at the university level, this course includes most of the topics found in Grade 13 Physics. Throughout the course, emphasis will be placed on understanding the basic concepts of physics. There will be ample opportunity to develop skill in problem solving, but no calculus will be used.

After a brief survey of physics and establishing the basis for measurements, the class will undertake a fairly detailed study of mechanics with a brief section on satellite motion. Mechanical vibrations then form an appropriate introduction to wave motion and sound. Heat, electricity, magnetism, and light, follow. The problems arising out of the dual nature of light form a useful basis for introducing modern physics with current concepts on the nature of an atom, the structure of its nucleus, and radio-activity.

Previous studies in Physics, while helpful, are not mandatory. However, students are expected to be able to manipulate algebraic expressions and to solve simple algebraic equations. A knowledge of simple trigonometrical relationships - sine, cosine, tangent - will be helpful but not essential, as these will be defined when required. It will be assumed that students have at least Grade 12 Mathematics (or its equivalent).

A list of required texts for this course will be mailed to successful applicants.

UNIVERSITY OF TORONTO DEGREE COURSES

Application for Admission (1973 - 74)

Students who wish to pursue studies leading to a degree at the University of Toronto must submit an application for admission to the Office of Admissions by the dates listed below. Applications are available from the Division of University Extension and the Office of Admissions.

A student who wishes to undertake degree studies in the Session immediately following his Pre-University course must apply for admission by the dates published, even though his Pre-University results may not be available at the time of application. All results achieved in Pre-University courses are forwarded to the Office of Admissions by the Division of University Extension, as soon as they are available.

- | | |
|---------|---|
| April 1 | Last day for new students to apply for admission to the Summer Evening Session in the Division of University Extension. Candidates seeking admission to the part-time degree programme in the Faculty of Arts and Science, the Faculty of Applied Science and Engineering, the Faculty of Music, and the School of Physical and Health Education may apply for admission to the Summer Evening Session. |
| May 15 | Last day for new students to apply for admission to the Summer Day Session in the Division of University Extension. Candidates seeking admission to the part-time degree programme in the Faculty of Arts and Science and the School of Physical and Health Education may apply for admission to the Summer Day Session. |
| June 1 | Last day for new students to apply for admission to the 1973 - 74 full time programme in all faculties. |
| July 1 | Last day for new students to apply for admission to a part-time programme in the Winter Session. Candidates seeking admission to the part-time degree programme in the Faculty of Arts and Science, the Faculty of Applied Science and Engineering, the Faculty of Music, the Faculty of Nursing, and the School of Physical and Health Education may apply for admission to the Winter Session. |

Admission Requirements for Non-Matriculants

Pre-University courses are designed to enable students who have not attempted Ontario Grade 13 (or its equivalent) to become eligible to apply for admission as non-matriculants to a degree, diploma, or certificate programme offered by the University of Toronto.

An applicant who will have been a resident of Ontario for at least one year by October 1st of the Winter Session, or July 15th of the Summer Session, who will be at least twenty-one years of age by that date, and who did not complete an Ontario Grade 13 programme (or its equivalent) may request consideration for admission to the University of Toronto as a 'non-matriculant' on the basis of demonstrated ability and experience and completion with satisfactory standing of at least one of the Pre-University courses offered by the Division of University Extension.

A candidate wishing to apply for admission as a non-matriculant should consult the Office of Admissions about his eligibility before undertaking one of the Pre-University courses, since successful completion of a Pre-University course does not in itself ensure admission.

Candidates who have attempted Ontario Grade 13 (or its equivalent), or who have attended a post-secondary institution are not normally eligible to undertake Pre-University courses. Such candidates should consult the Office of Admissions.

Non-matriculants should undertake Pre-University courses that fulfill the admission requirements of the Faculty, School, or Certificate Programme to which they intend to apply. Degree courses with scientific content such as those offered by the professional faculties often have additional entrance requirements. Detailed information may be obtained from the Office of Admissions, University of Toronto, 315 Bloor Street West, Toronto, Ontario, M5S 1A3. Telephone: 928-2190.

Faculty of Arts and Science

Candidates must offer high standing in at least one Pre-University course. Should a candidate fail to obtain a standing in his Pre-University course sufficient to qualify him for admission to the Faculty as a non-matriculant, he will normally be required to complete a full Grade 13 programme before he may re-apply for admission.

Candidates who intend to study the Humanities (e.g. Classical Studies, East Asian Studies, English, Fine Art, French, German, Hispanic Studies, History, Islamic Studies, Italian Studies, Religious Studies, and Slavic Languages and Literatures) or the Social Sciences (e.g. Anthropology, Commerce, Economics, Geography, Political Science, Psychology, and Sociology) at the university level are advised to undertake either Pre-University English or Pre-University History.

Candidates who intend to study the Natural Sciences (e.g. Astronomy, Biochemistry, Biology, Botany, Chemistry, Computer Service, Geology, Microbiology, Physics, Physiology, and Zoology) or Mathematics at the university level, are advised to undertake Pre-University Mathematics. In addition, Pre-University Chemistry or Pre-University Physics should be taken if the study of these subjects is intended at the university level.

Faculty of Applied Science and Engineering

Candidates must offer high standing in three Pre-University courses (or their equivalent): Chemistry, Mathematics, and Physics. Grade 13 Mathematics III (Algebra) is strongly recommended.

Faculty of Music

Candidates must offer high standing in one Pre-University course, and meet the musical requirements. For further information, consult the Office of Admissions.

Faculty of Nursing

Candidates must offer high standing in two Pre-University courses (or their equivalent), one of which must be Chemistry.

School of Physical and Health Education

Candidates must offer high standing in at least one Pre-University course (or an equivalent course) in a science subject.

Certificate Programmes

Advanced Studies of Early Childhood and Family
Business
Criminology
Personnel and Industrial Relations
Public Administration
Teaching English as a Second Language

Candidates must offer high standing in one Pre-University course (or an equivalent course).

Information on other faculties may be obtained by referring to the Calendar of the appropriate Faculty or School, or by consulting one of the academic counsellors of the Division of University Extension.

PRE-UNIVERSITY TIMETABLE

Summer Day Session 1973

July 3 – August 10

COURSE	TIME	LOCATION
English	M to F 9.00 – 12.00 am	STG, BARRIE
History	M to F 9.00 – 12.00 am	STG

Fall Session 1973-74

October 1 – March 14

COURSE	TIME	LOCATION
Chemistry	T&R 7.00 – 9.00 pm	STG
English	M&W 2.00 – 4.00 pm	STG
	<u>or</u> M&W 7.00 – 9.00 pm	STG, SCAR, ERIN, OSHAWA, BARRIE
History	T&R 6.00 – 8.00 pm	STG
	<u>or</u> T&R 7.00 – 9.00 pm	STG, SCAR
Mathematics	T&R 7.00 – 9.00 pm	STG
Physics	M&W 7.00 – 9.00 pm	STG

Winter Session 1973-74

January 7 – June 4

COURSE	TIME	LOCATION
English	T&R 7.00 – 9.00 pm	STG
History	M&W 7.00 – 9.00 pm	STG
Mathematics	M&W 7.00 – 9.00 pm	STG

Spring Session 1974

April 15 – August 7

COURSE	TIME	LOCATION
Chemistry	M&W 7.00 – 9.30 pm	STG
English	M&W 7.00 – 9.30 pm	STG, SCAR, ERIN, OSHAWA
History	T&R 6.00 – 8.30 pm	STG
History	T&R 7.00 – 9.30 pm	STG
Mathematics	T&R 7.00 – 9.30 pm	STG
Physics	T&R 7.00 – 9.30 pm	STG

The days of the week are shown as M,T,W,R,F (R – Thursday).

STG – St. George

SCAR – Scarborough

ERIN – Erindale

The Division of University Extension reserves the right to withdraw any course listed in this Calendar. Enrolment in all courses is limited.

PRE-UNIVERSITY COURSES APPLICATION FORM

1 Mr.
Mrs.
Miss

SURNAME _____ FIRST GIVEN NAME _____ SECOND GIVEN NAME _____
 ADDRESS _____ CITY _____ POSTAL CODE _____
 TELEPHONE _____ HOME _____ OFFICE _____ DAY _____ MONTH _____ YEAR _____
 APARTMENT NO. _____ Birth Date _____

2 State your formal education:

Name of schools attended	Province or Country	Last grade attempted	Dates attended, From - To
Secondary			
Post-secondary			
Other			

What was the last grade you successfully completed? _____
 State any Matriculation, Degree or Diploma you have obtained _____
 Are you now attending School? Yes _____ No _____
 If yes, give name of course and school _____
 Have you ever attempted a Pre-University course? _____ If so, when? _____

(continued over)

3 (Please refer to page 16 when completing this question.)

I hereby apply for admission to:

Pre-University course: ☐ Chemistry ☐ English ☐ History ☐ Mathematics ☐ Physics

Session: ☐ Summer Day ☐ Fall ☐ Winter ☐ Spring

Time: ☐ 9.00 - 12.00 am ☐ 2.00 - 4.00 pm ☐ 6.00 - 8.00 pm
☐ 7.00 - 9.00 pm ☐ 6.00 - 8.30 pm ☐ 7.00 - 9.30 pm

Campus: ☐ St. George ☐ Scarborough ☐ Erindale ☐ Georgian (Barrie) ☐ Durham (Oshawa)

Purpose for which the course is intended:

Admission to the University of Toronto as a non-matriculant: ☐ part-time student ☐ full-time student

Programme intended: ☐ Arts and Science ☐ Applied Science and Engineering ☐ Music ☐ Nursing ☐ Physical and Health Education
☐ Certificate programme (specify) _____
☐ Other (specify) _____

4 I have been informed by the Office of Admissions at the University of Toronto that I will be eligible to apply for admission to this University upon successful completion of Pre-University course requirements

☐ YES ☐ NO

Fee enclosed: (\$100.00 for each course) \$ _____

Neither post-dated cheques nor payment in cash will be accepted. Please make cheque or money-order payable to the University of Toronto.

I hereby certify that all statements on this application are correct and complete.

DATE _____

SIGNATURE _____

Receipt Number _____

Send application to:

Pre-University Courses
Division of University Extension
119 St. George Street
Toronto, Ontario
M5S 1A9

PROGRAMMES OFFERED THROUGH THE DIVISION OF UNIVERSITY EXTENSION

The Bachelor of Arts, Bachelor of Science, and Bachelor of Education degrees may be obtained through part-time study. The Summer Programme in Europe, July 4 - August 14, 1973, is an adjunct to the Summer Day Session of the Faculty of Arts and Science, and courses are offered in Nice, France; Trier, Germany; and Siena, Italy.

The first and second years of all Engineering programmes except Engineering Science may be completed through part-time study. The first year courses may be taken either in the day or in the evening; the second year courses may be taken only in the day. The first year of the Music programme; the first and second years of the Nursing programme; and the first year of the Physical and Health Education programme may be completed through part-time study.

The third and fourth years of the Engineering programme; the second, third, and fourth years of the Music programme; the third year of the Nursing programme; and the second, third, and fourth years of the Physical and Health Education programme must be completed through full time study.

The Certificate Programmes in the Advanced Studies of Early Childhood and Family, Business, Criminology, Personnel and Industrial Relations, Public Administration, and Teaching English as a Second Language; and the Diploma Programme in Translation may be completed through part-time study.

UNIVERSITY OF TORONTO CALENDARS

The University of Toronto issues the following calendars and other publications concerning courses of instruction given by the University. Requests for calendars or information may be directed to the Office of Admissions of the University or to the Secretary of the particular Faculty, School or Institute.

ADMISSION INFORMATION—	Admission Awards Undergraduate Admission Handbook Undergraduate Admission Bulletin
APPLIED SCIENCE AND ENGINEERING—	Faculty of Applied Science and Engineering Engineering at Toronto—descriptive brochure
ARCHITECTURE—	Faculty of Architecture, Urban and Regional Planning and Landscape Architecture
ARTS AND SCIENCE—	Faculty of Arts and Science— St. George Campus Scarborough College Calendar Erindale College Calendar
CHILD STUDY—	Institute of Child Study, Faculty of Education
DENTISTRY—	Faculty of Dentistry Division of Postgraduate Dental Education Division of Dental Hygiene
EDUCATION—	Faculty of Education Bachelor of Education in Extension Graduate Degrees in Education*
EXTENSION—	Degree Programmes in Extension Diploma and Certificate Programmes in Extension Pre-University Courses Continuing Education Programme (Special Programmes)
FOOD SCIENCES—	Faculty of Food Sciences
FORESTRY—	Faculty of Forestry
GRADUATE STUDIES—	School of Graduate Studies
HYGIENE—	School of Hygiene
LAW—	Faculty of Law
LIBRARY SCIENCE—	Faculty of Library Science
MANAGEMENT STUDIES—	Faculty of Management Studies
MEDICINE—	Faculty of Medicine, Medical Course Department of Rehabilitation Medicine Division of Postgraduate Medical Education
MUSIC—	Faculty of Music Royal Conservatory of Music Year Book
NURSING—	Faculty of Nursing
PHARMACY—	Faculty of Pharmacy
PHYSICAL AND HEALTH EDUCATION—	School of Physical and Health Education
SOCIAL WORK—	Faculty of Social Work

*Write to: Ontario Institute for Studies in Education, 252 Bloor Street West, Toronto, Ontario, M5S 1V6.

